Inventor's Name: TAKAGI et al. Serial No. Not Yet Assigned Docket No. 2933NS-3-1

Attorney: Thomas J. Osborne, Jr.
Telephone: 303/863-9700 Sheet 1 of 8 sheets

Fig.1

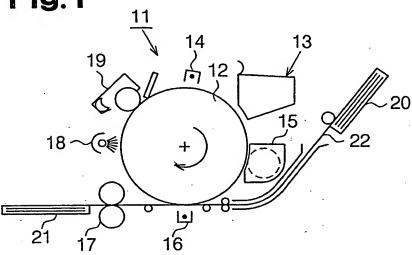


Fig.2

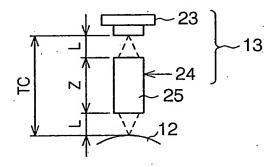
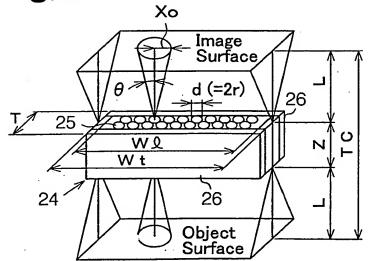


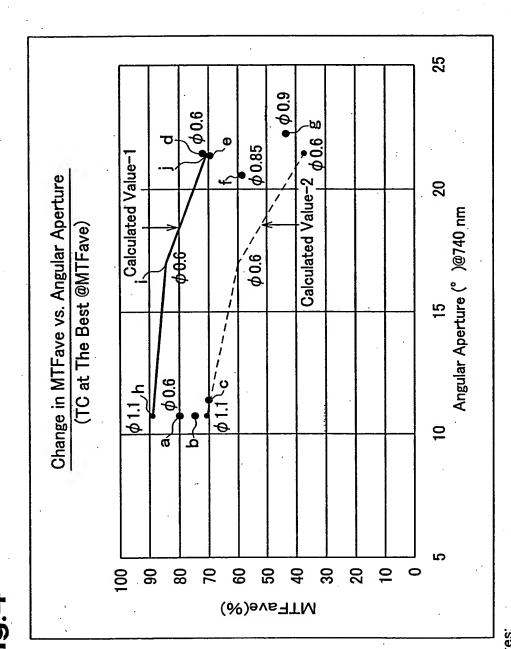
Fig.3



Invention: "OPTICAL WRITE-IN HEAD, IMAGE FORMING APPARATUS USING THE SAME, AND METHOD FOR INSPECTING THE APPARATUS"

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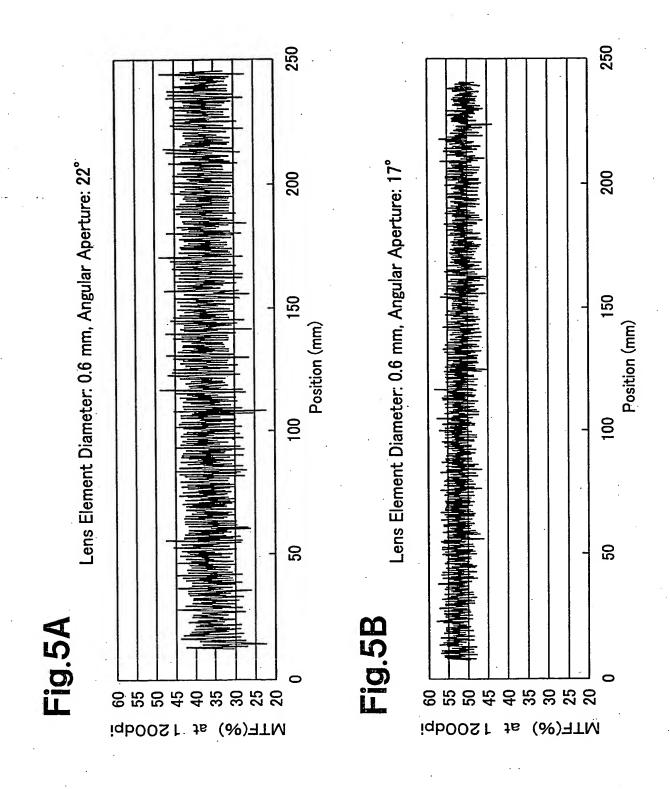


(A) Calculated Value-1: MTFave Value Calculated Relative to Ideal Refractive Index Distribution @12 lp/mm (B) Calculated Value-2: MTFave Value Calculated Relative to Ideal Refractive Index Distribution @24 lp/mm (C) Plot: Actual MTFave Measurement Example @12 lp/mm

Invention: "OPTICAL WRITE-IN HEAD, IMAGE FORMING APPARATUS USING THE SAME, AND METHOD FOR INSPECTING THE APPARATUS"

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Invention: "OPTICAL WRITE-IN HEAD, IMAGE FORMING APPARATUS USING THE SAME, AND METHOD FOR INSPECTING THE APPARATUS" Inventor's Name: TAKAGI et al. Serial No. Not Yet Assigned Docket No. 2933NS-3-1 Attorney: Thomas J. Osborne, Jr. Telephone: 303/863-9700 Sheet 4 of 8 sheets Polynomial (Angular Aperture: 12° Polynomial (Angular Aperture: 17° Angular Aperture; 17° Angular Aperture: 20° Polynomial (Angular Aperture: 20° Angular Aperture: 12° Result of Calculation of Focus Depth of Rod Lens Array for Each Angular Aperture 8 3 9 40 20 -20 -40 09-80

20

30

9

8

70

20

49

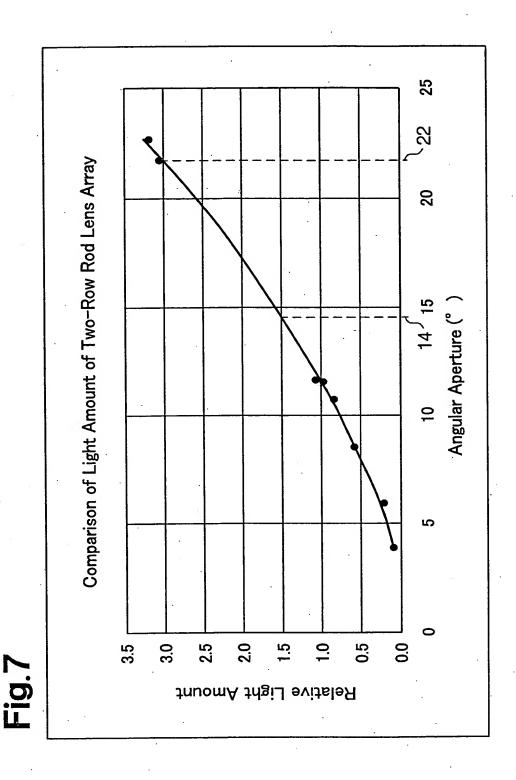
MTF(%) @24lp/mm

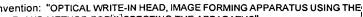
Fig.6

Invention: "OPTICAL WRITE-IN HEAD, IMAGE FORMING APPARATUS USING THE SAME, AND METHOD FOR INSPECTING THE APPARATUS" $\,$

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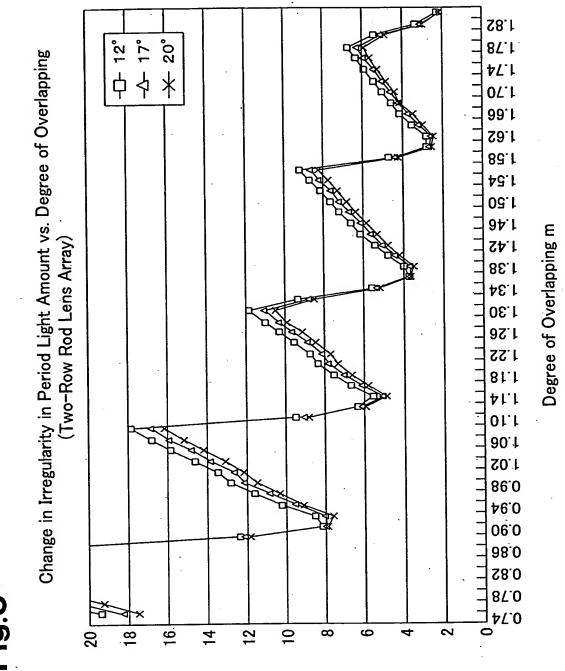




SAME, AND METHOD FOR INSPECTING THE APPARATUS" Inventor's Name: TAKAGI et al.

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Light Amount Irregularity (%)

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Fig.9

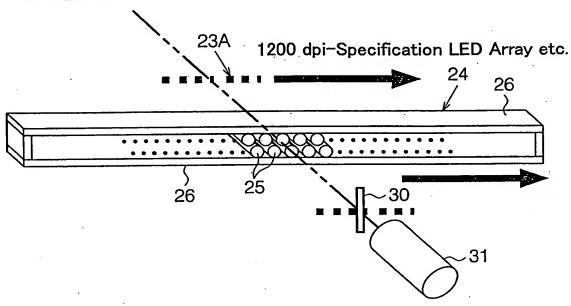
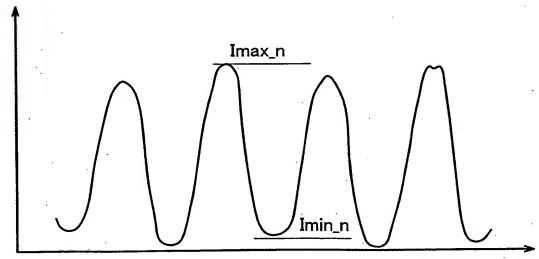


Fig.10

Detected Light Amount



Position or Time

Invention: "OPTICAL WRITE-IN HEAD, IMAGE FORMING APPARATUS USING THE SAME, AND METHOD FOR INSPECTING THE APPARATUS"

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Fig. 11

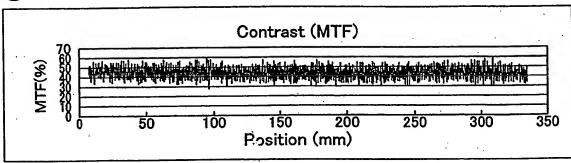


Fig.12

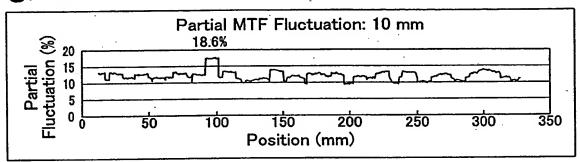


Fig. 13

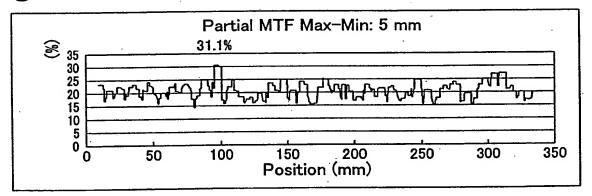


Fig. 14

